

**TOTAL ENVIRONMENTAL
RESTORATION CONTRACTS**
A SUCCESS STORY

COLD BAY

Cold Bay is a remote community, located at the western end of the Alaskan Peninsula. During World War II, Cold Bay served both as a naval base and an air field. The site was abandoned in 1950, leaving behind structures, pipelines, tank farms, and other support facilities. The Alaska District of the U.S. Army Corps of Engineers selected Jacobs Engineering, its TERC contractor, to investigate and remediate these Formerly Used Defense Sites (FUDS).

The contractor addressed three areas of contamination: underground storage tanks (USTs), a drum disposal site, and a petroleum seep discharging into the ocean. The drum disposal area and the site of a previously removed 210,000-gallon aboveground storage tank (AST) were identified as the likely sources of the beach seep.

In 1997 the contractor removed fifteen 25,000-gallon USTs, excavated 20 test pits to define the drum disposal area, and installed 4

TERC WORKS



Cutting one of 15 aviation gas USTs.



TERC flexibility
and partnering
produced
immediate
results.

monitoring/extraction wells at the former AST location. Even though changing site conditions doubled the work scope, the contractor completed all work in just 3 months and within a constrained budget.

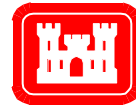
Concurrent with 1997 cleanup activities, the contractor analyzed alternative technologies to best address soil

and groundwater contamination associated with the beach seep. The contractor chose a high-vacuum extraction (HVE) system designed to remediate the 6-foot-thick fuel lens located 60 feet below the ground surface. Design and construction of the HVE system, as well as excavation and removal of waste drums from the disposal area, was performed in 1998.

Cost-sharing
agreements
saved \$75,000
in first year.

The Corps and its TERC contractor meet regularly with stakeholders in Anchorage and Cold Bay to discuss this FUDS cleanup. The meetings provide a positive forum for the TERC team to coordinate activities with other federal agencies, regulators, property owners, and the community. These meetings resulted in cost-sharing agreements, which generated a first-year savings of at least \$75,000.

Successes at Cold Bay are a direct result of the flexibility provided by the TERC “cradle-to-grave” approach to remediation. Project managers can address public concerns promptly, coordinate cost-sharing opportunities with other agencies, and accomplish concurrent site investigations and interim removal actions while avoiding the stops and starts typical of other contracting mechanisms.



ALASKA DISTRICT

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